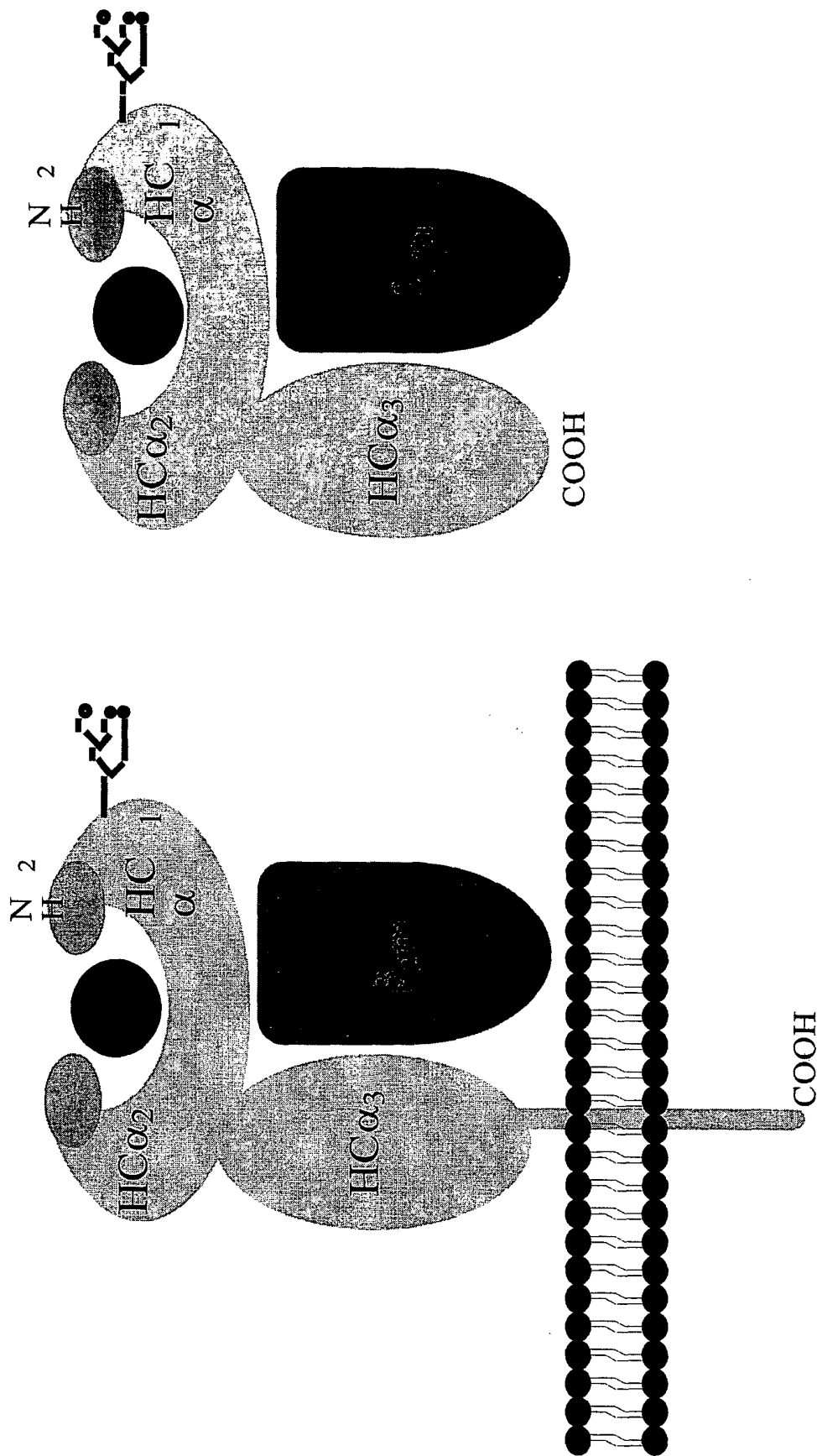


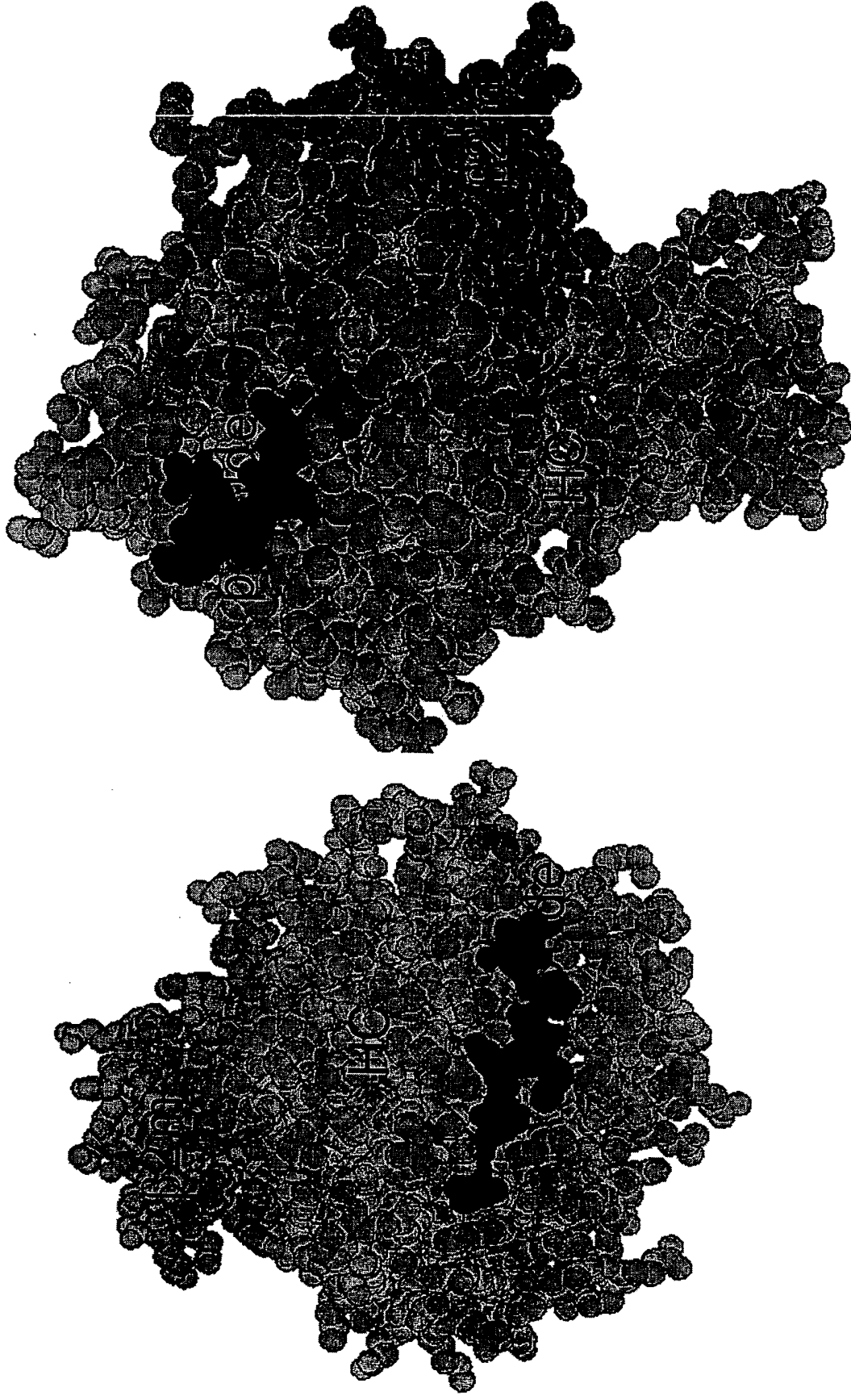
FIGURE 1



Native, transmembrane HLA molecule

Recombinant, truncated sHLA molecule

FIGURE 2



TOP VIEW

SIDE VIEW

FIGURE 3

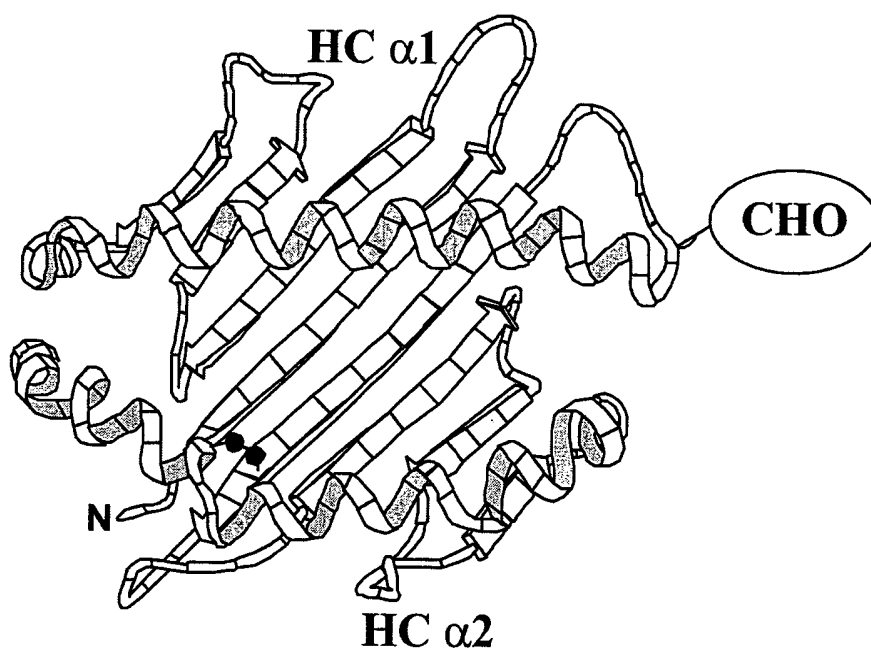


FIGURE 4

Column-loading profile of the sHLA class I molecule B*0702BSP

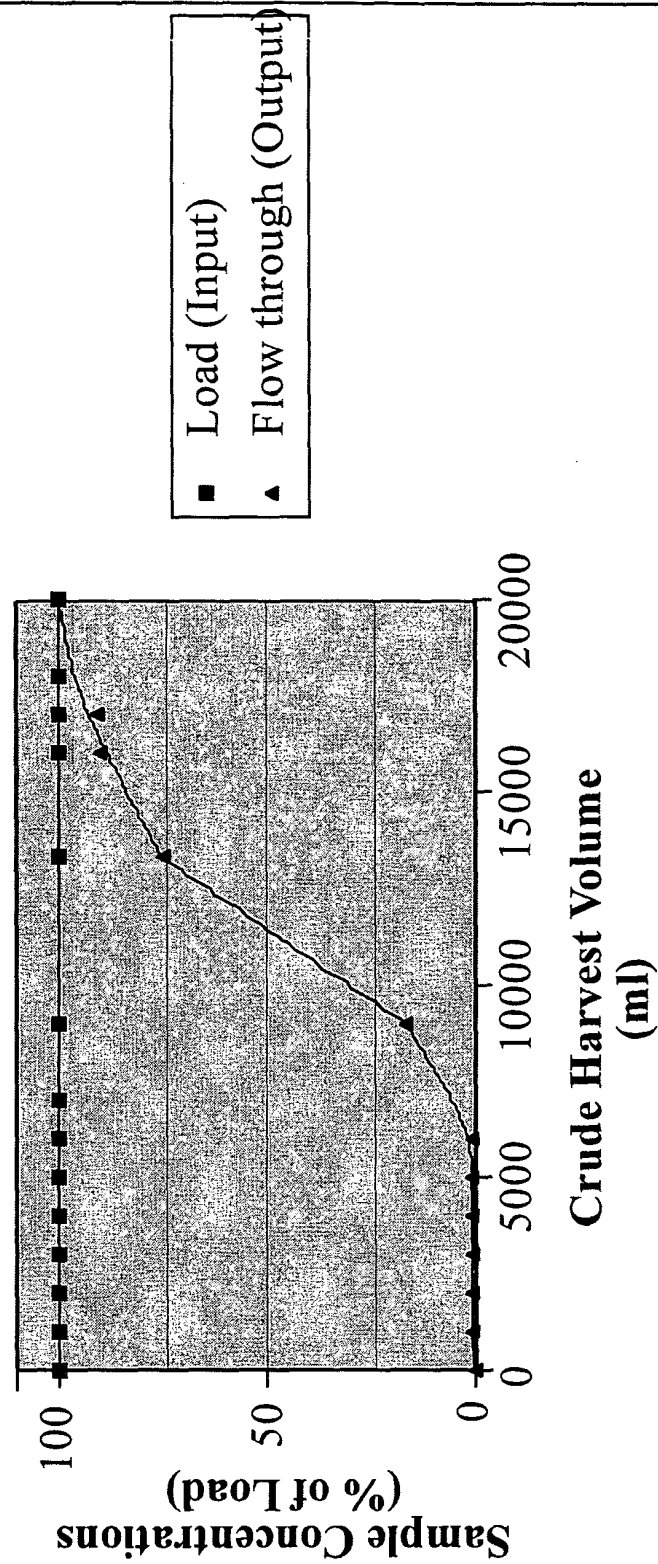


FIGURE 5

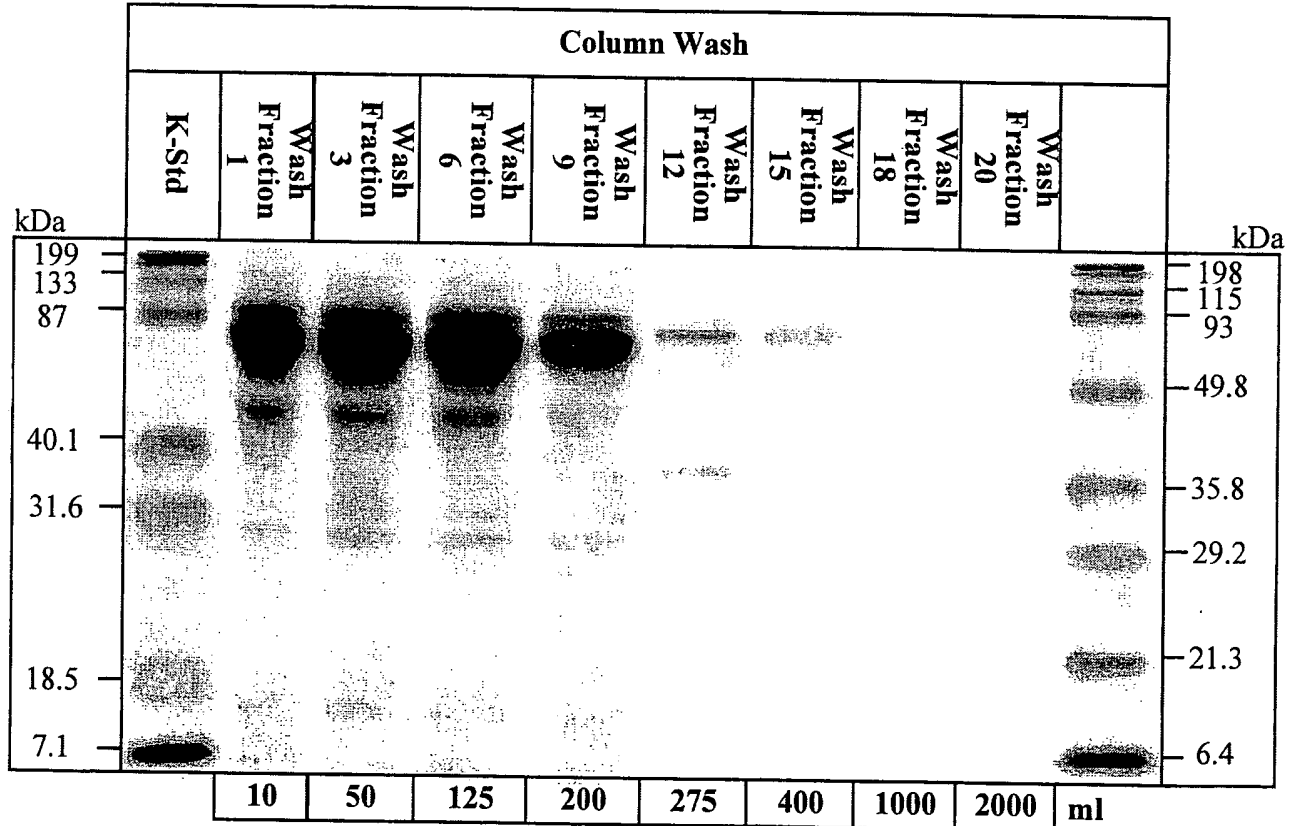
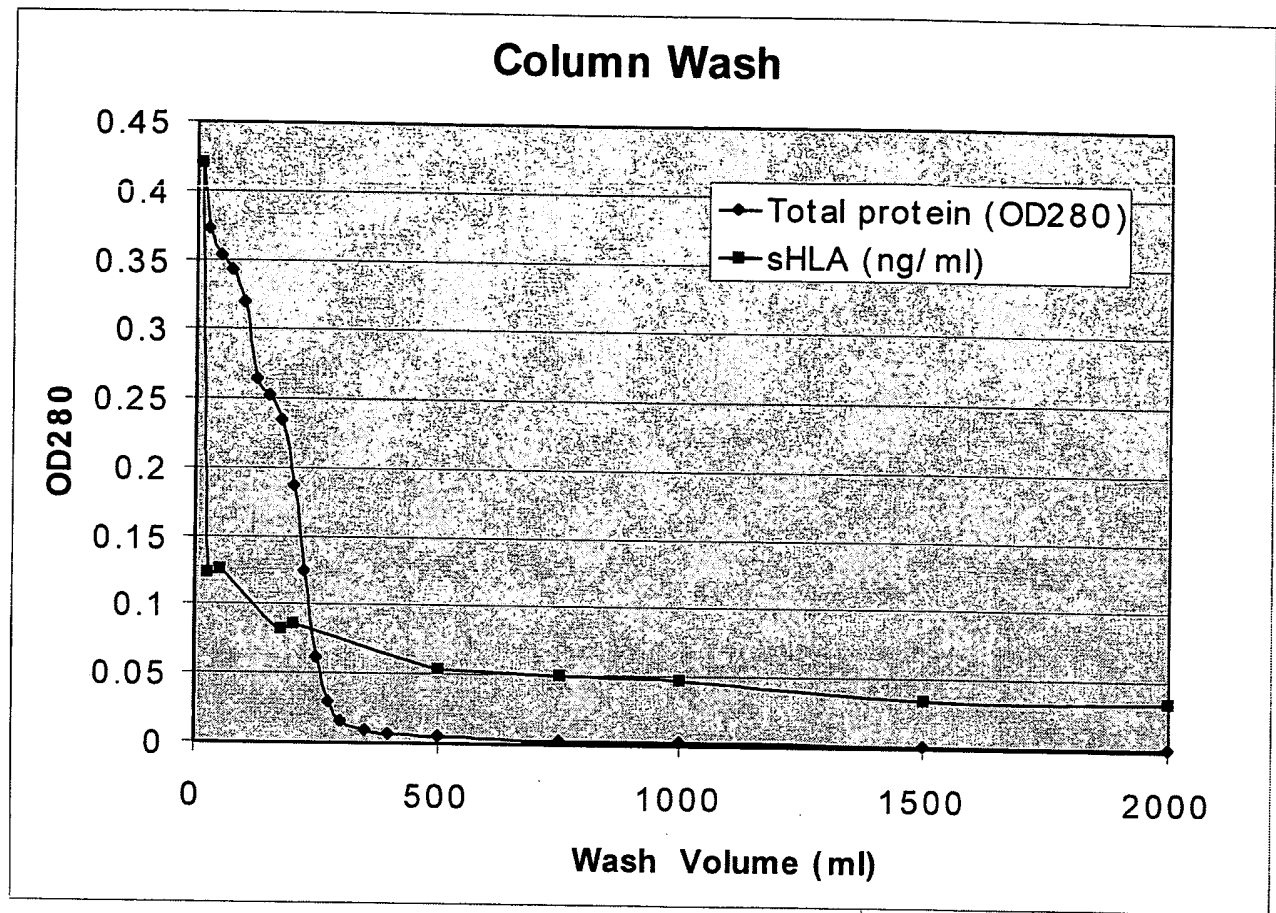


FIGURE 6

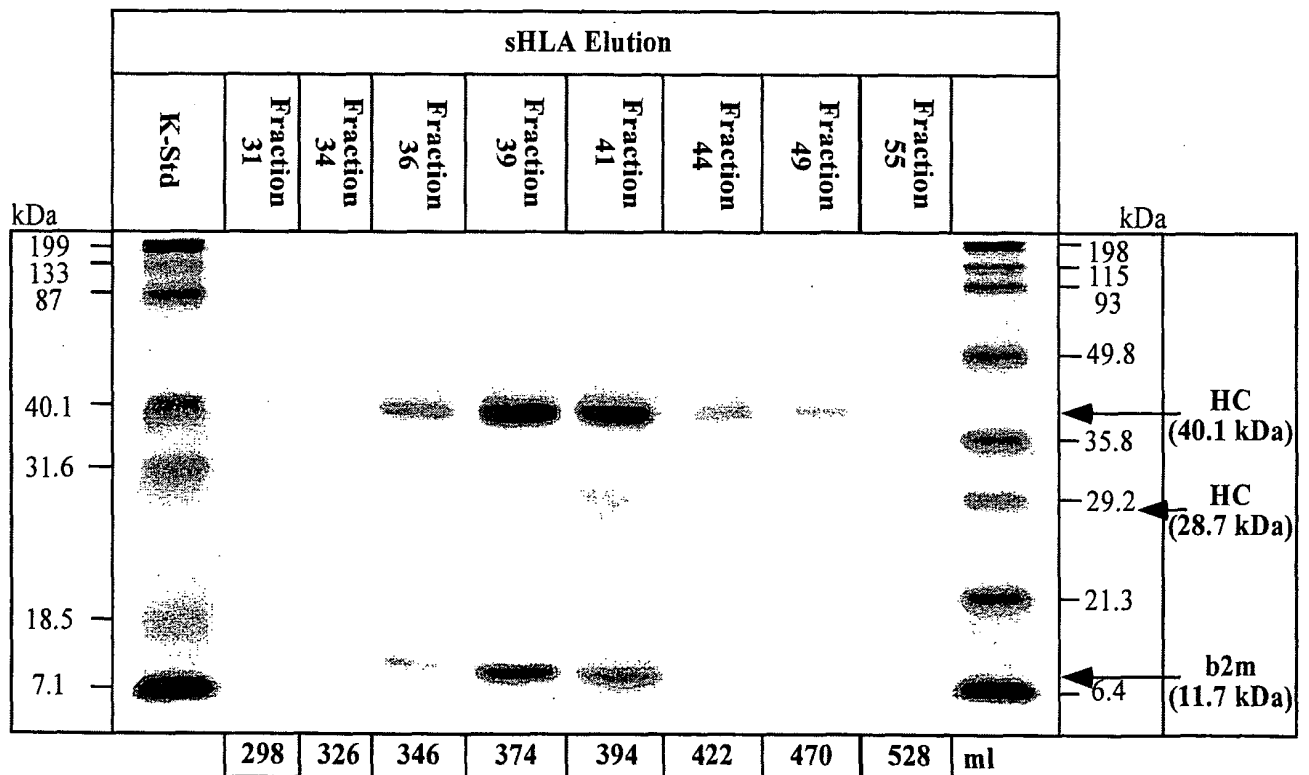
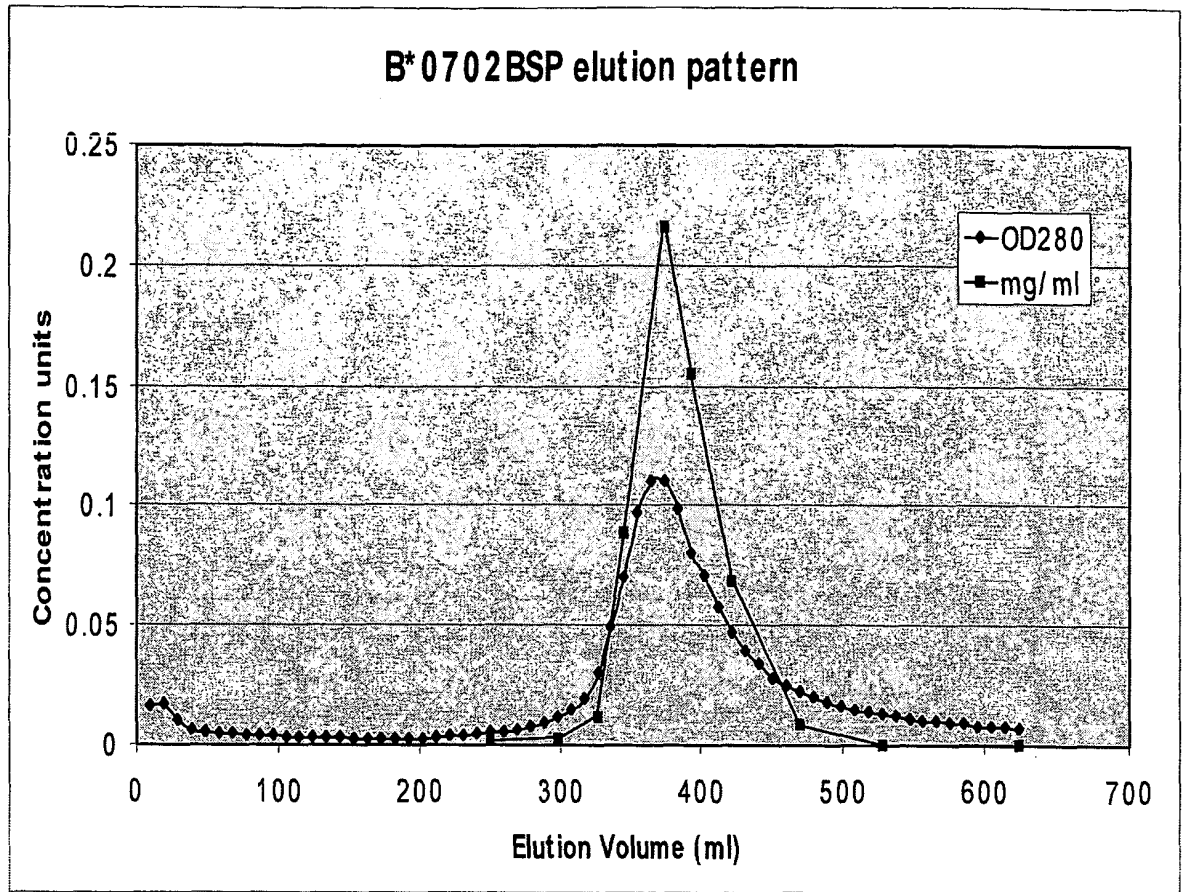


FIGURE 7

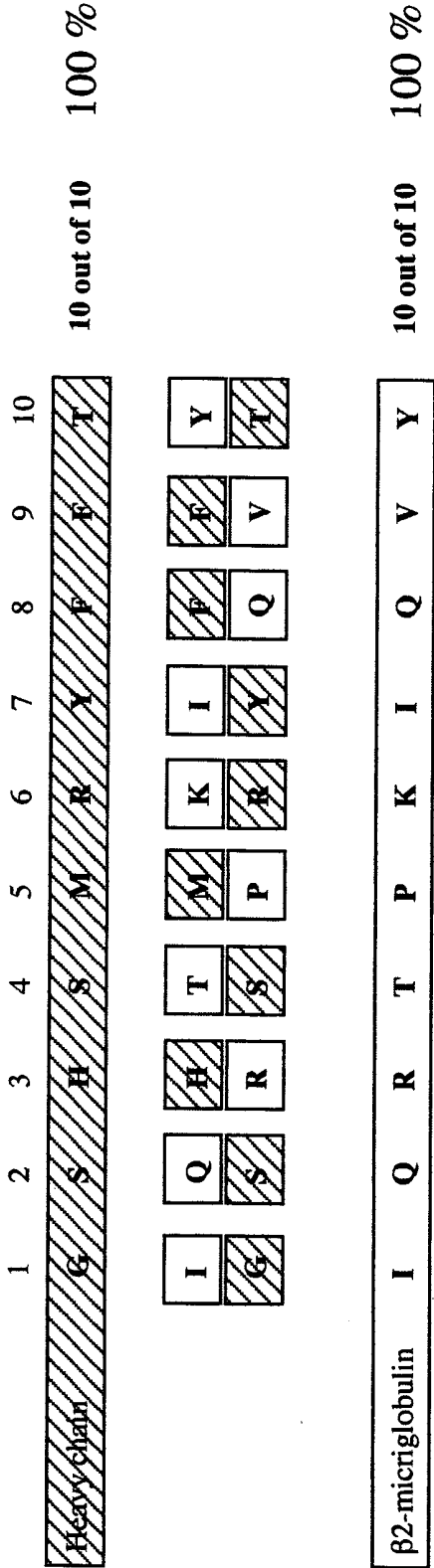


FIGURE 8

					Calculated residues	Observed residues	Difference
					aa	aa	%
1	A	Ala	Alanine		26	26.2	0.8
2	C	Cys	Cysteine		[6]	-	
3	D + N	Asp+Asn	Aspartic acid + Asparagine		36	34.9	2.9
4	E + Q	Glu+Gln	Glutamic acid + Glutamine		50	47.8	4.3
5	F	Phe	Phenylalanine		11	11.3	2.5
6	G	Gly	Glycine		[23]	-	
7	H	His	Histidine		13	11.4	22.6
8	I	Ile	Isoleucine		12	13.2	9.8
9	K	Lys	Lysine		15	17.9	19.4
10	L	Leu	Leucine		26	28.5	9.5
11	M	Met	Methionine		5	4.7	6.4
12							
13	P	Pro	Proline		20	21.1	5.4
14							
15	R	Arg	Arginine		31	30.5	1.8
16	S	Ser	Serine		23	22.3	2.8
17	T	Thr	Threonine		27	24.6	9.0
18	V	Val	Valine		18	18.6	3.5
19	W	Trp	Tryptophan		[10]	-	
20	Y	Tyr	Tyrosine		20	20.0	0.1
			Total		333	333	

FIGURE 9

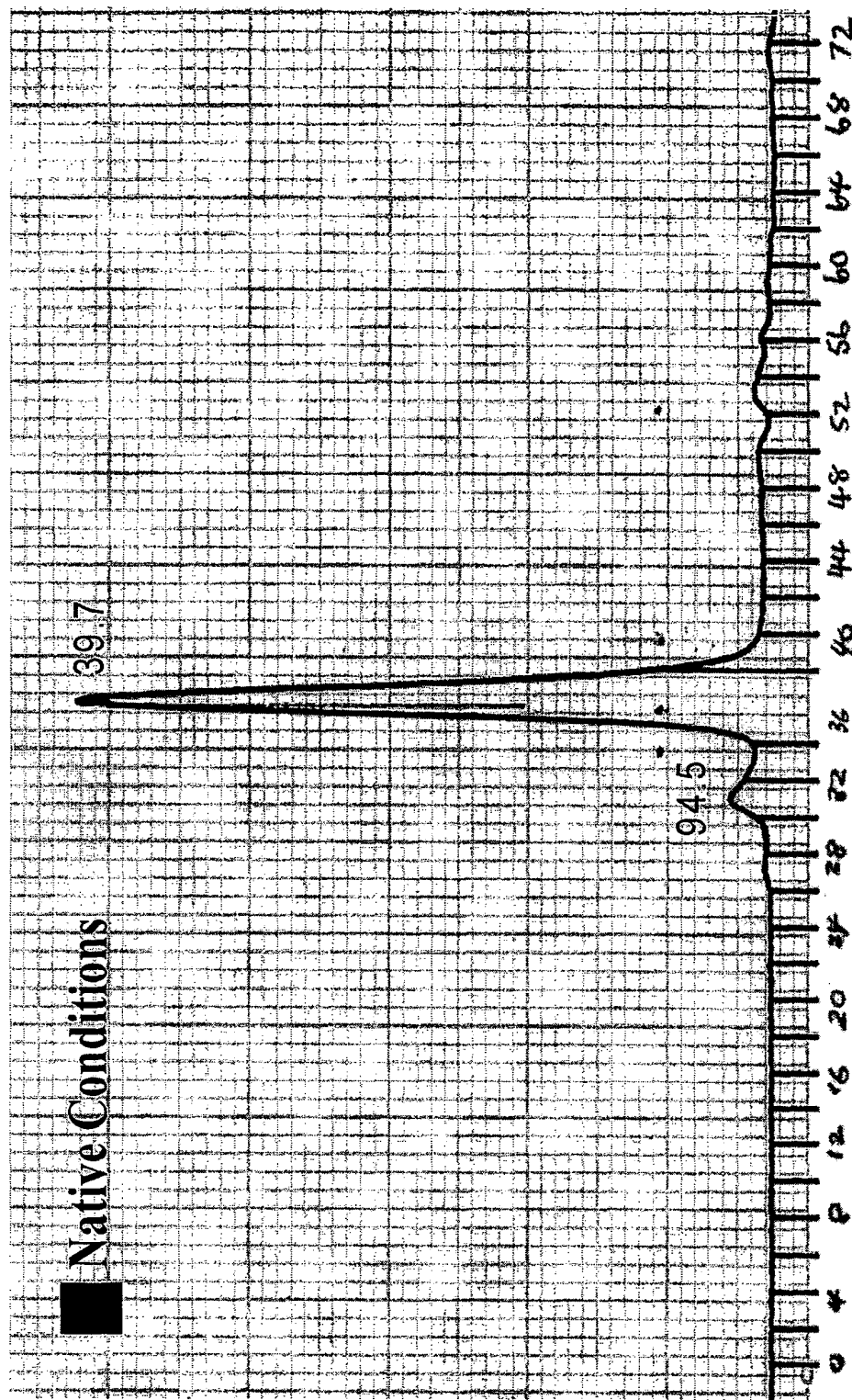


FIGURE 10

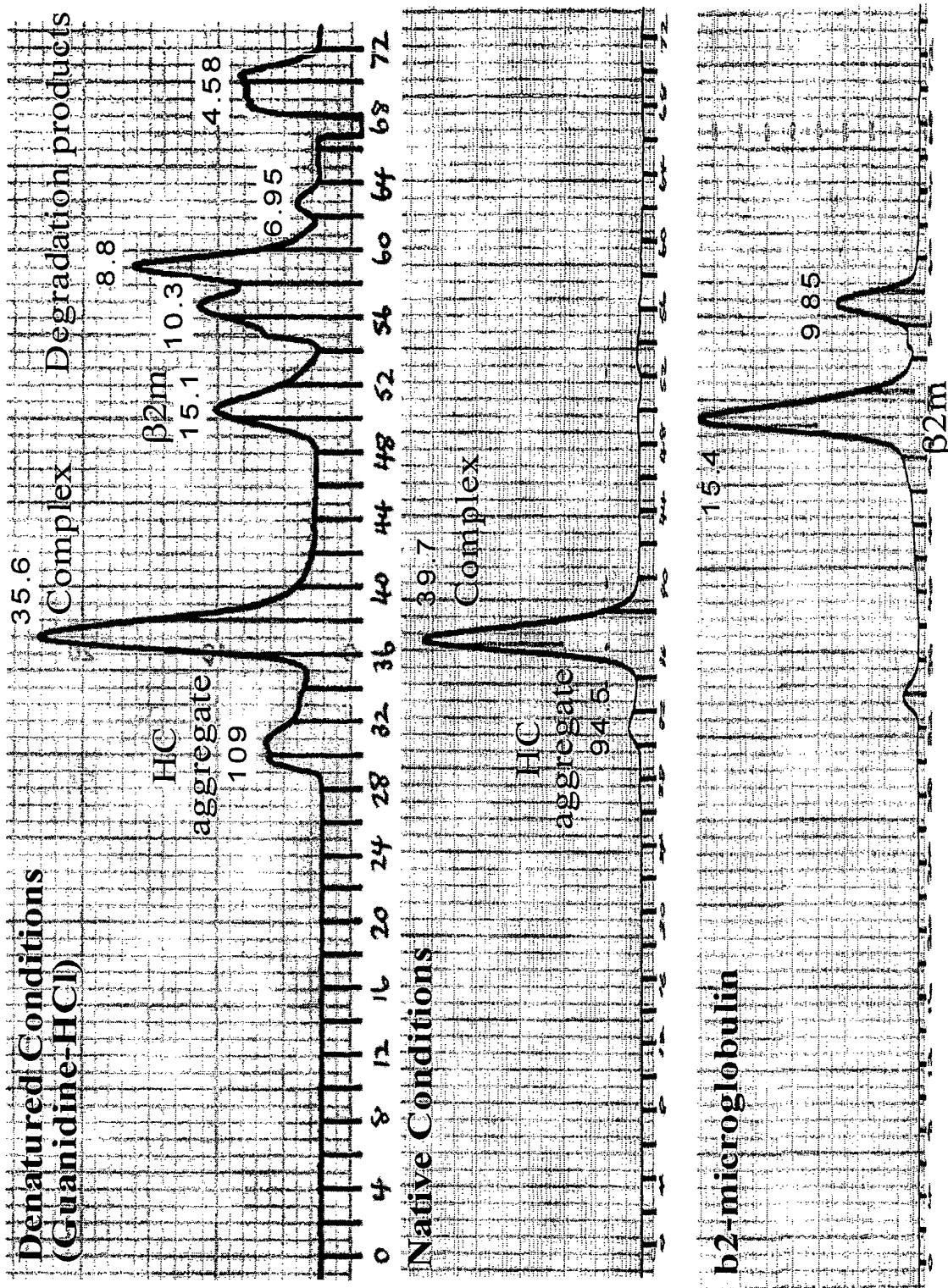


FIGURE 11

Coomassie-stained SDS-PAGE loaded with 2 μ g of protein

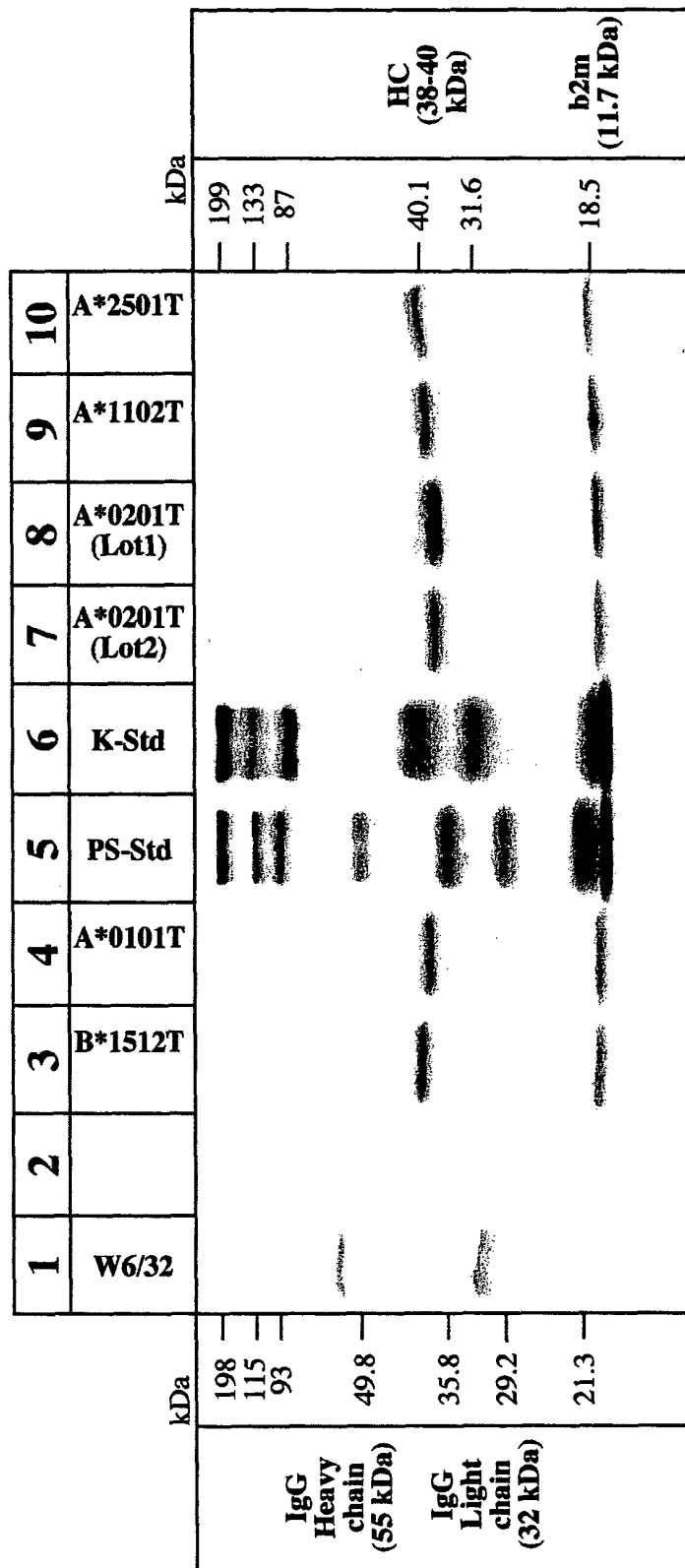


FIGURE 12

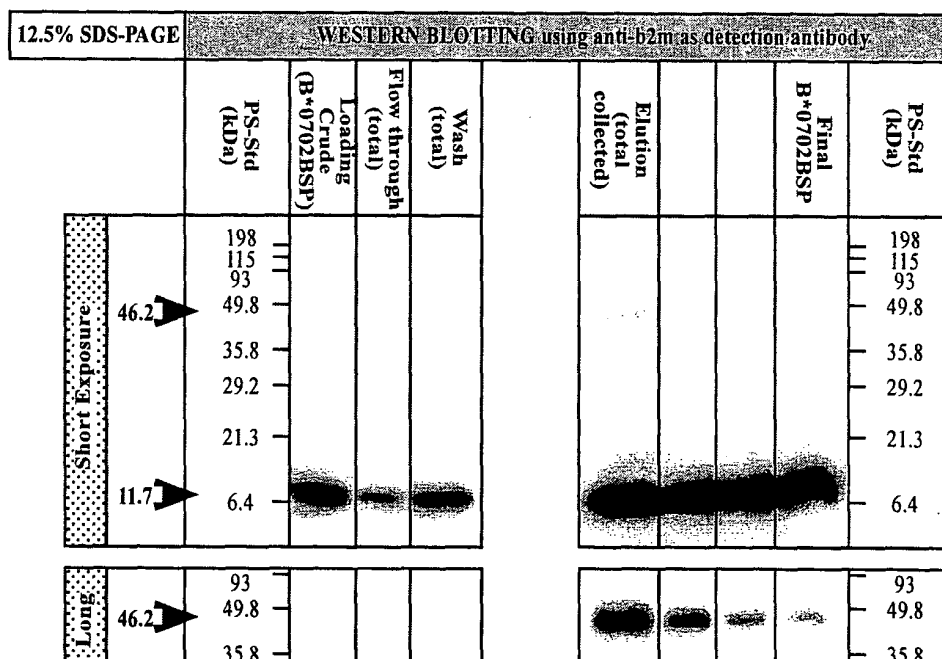
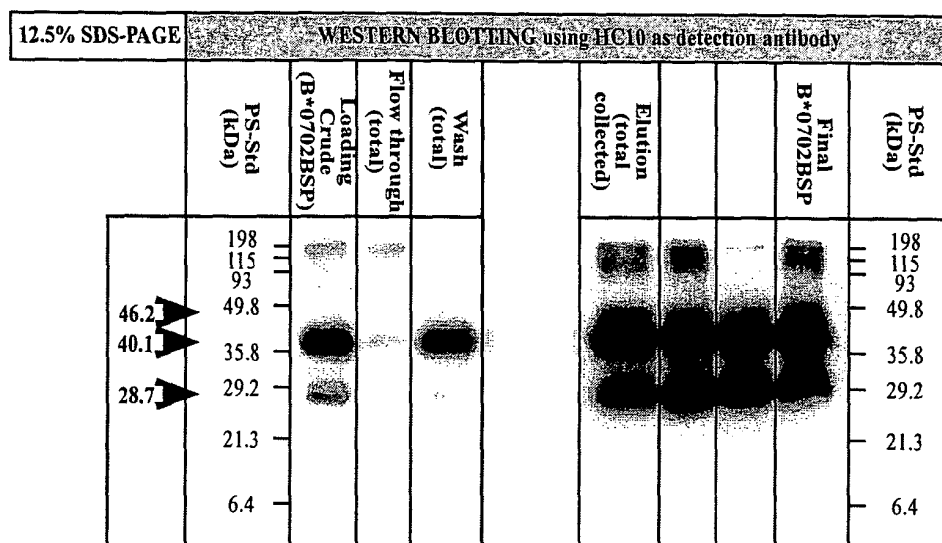
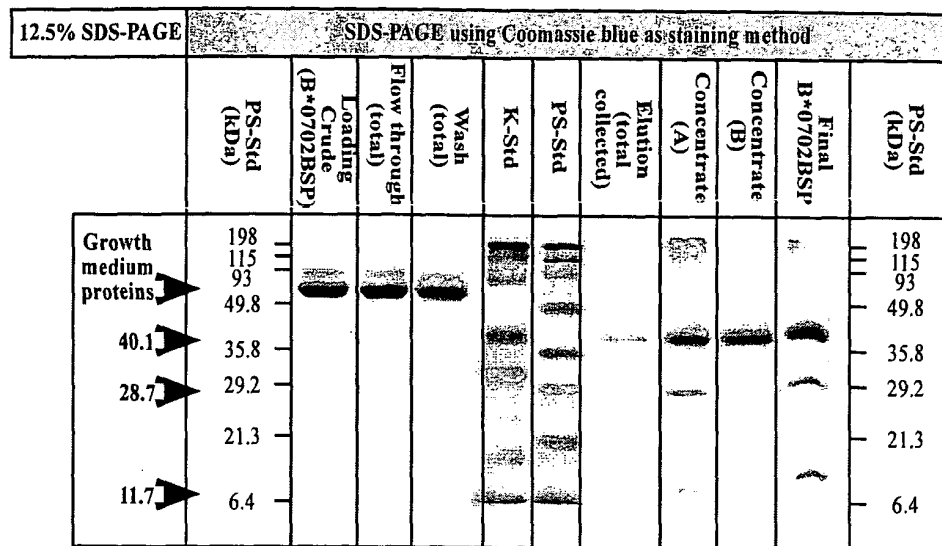


FIGURE 13

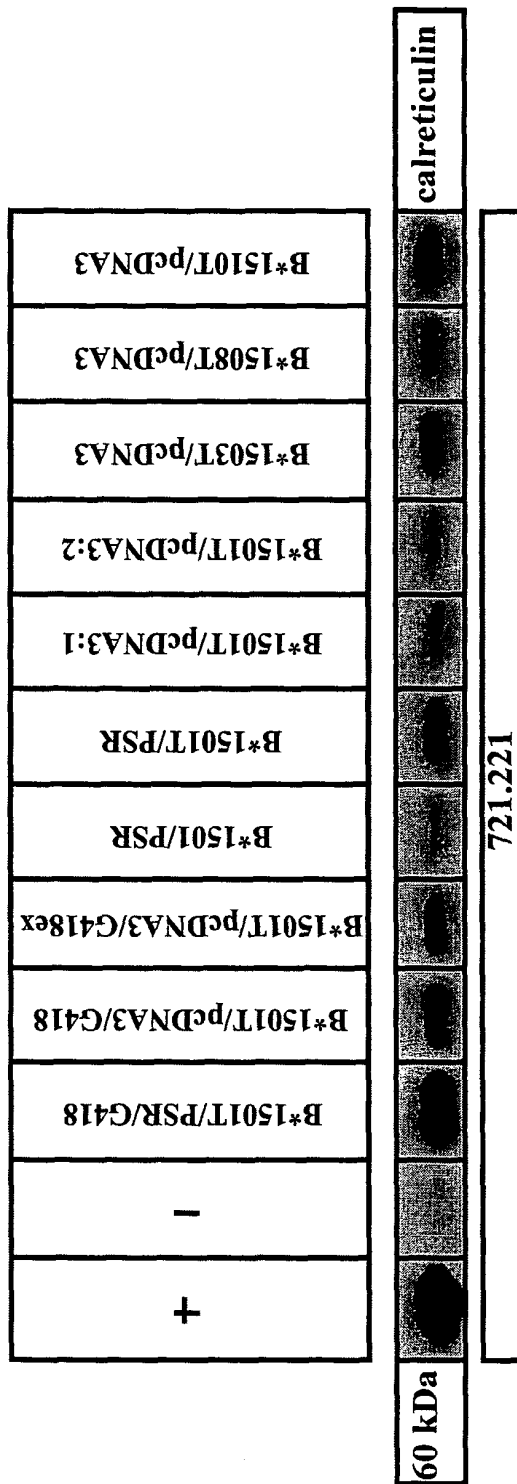


FIGURE 14

B*1501 Peptide-binding specificities

*sHLA*1501*

Amino acid position of peptides								
1	2	3	4	5	6	7	8	9
	Q	K	D	I				Y
	L	P	P	V				F
	P	R	G					
	V	F						

*HLA*1501*

Amino acid position of peptides								
1	2	3	4	5	6	7	8	9
		K	D	I				Y
		P	P					F
			E					
		R						
		F						
		N						
		Y						

FIGURE 15

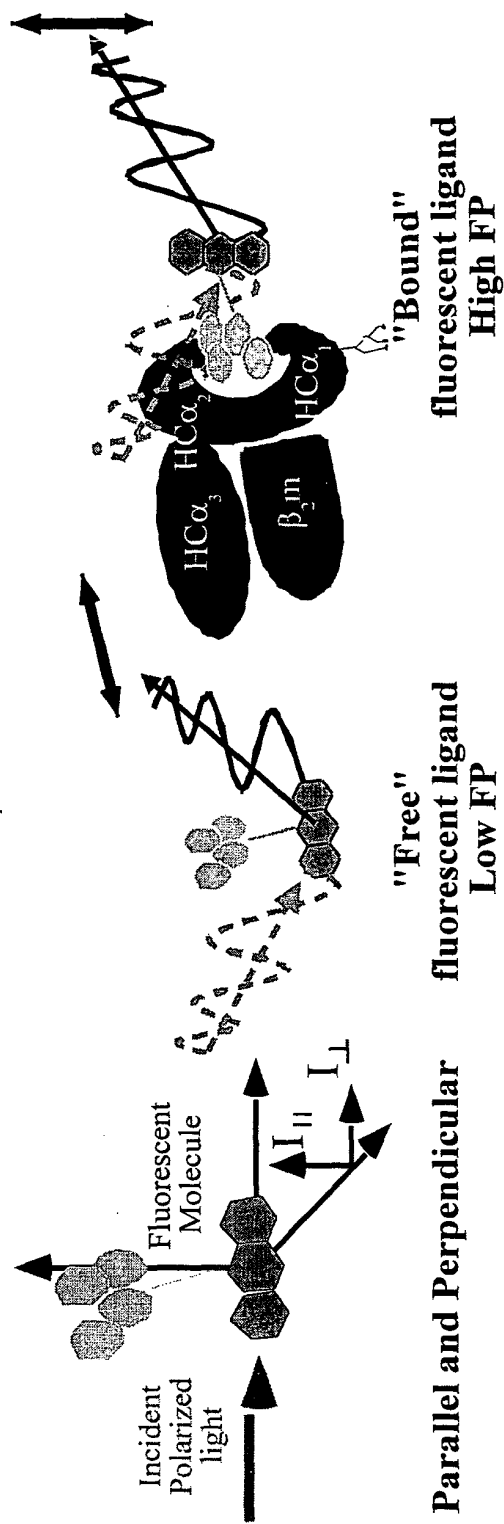


FIGURE 16

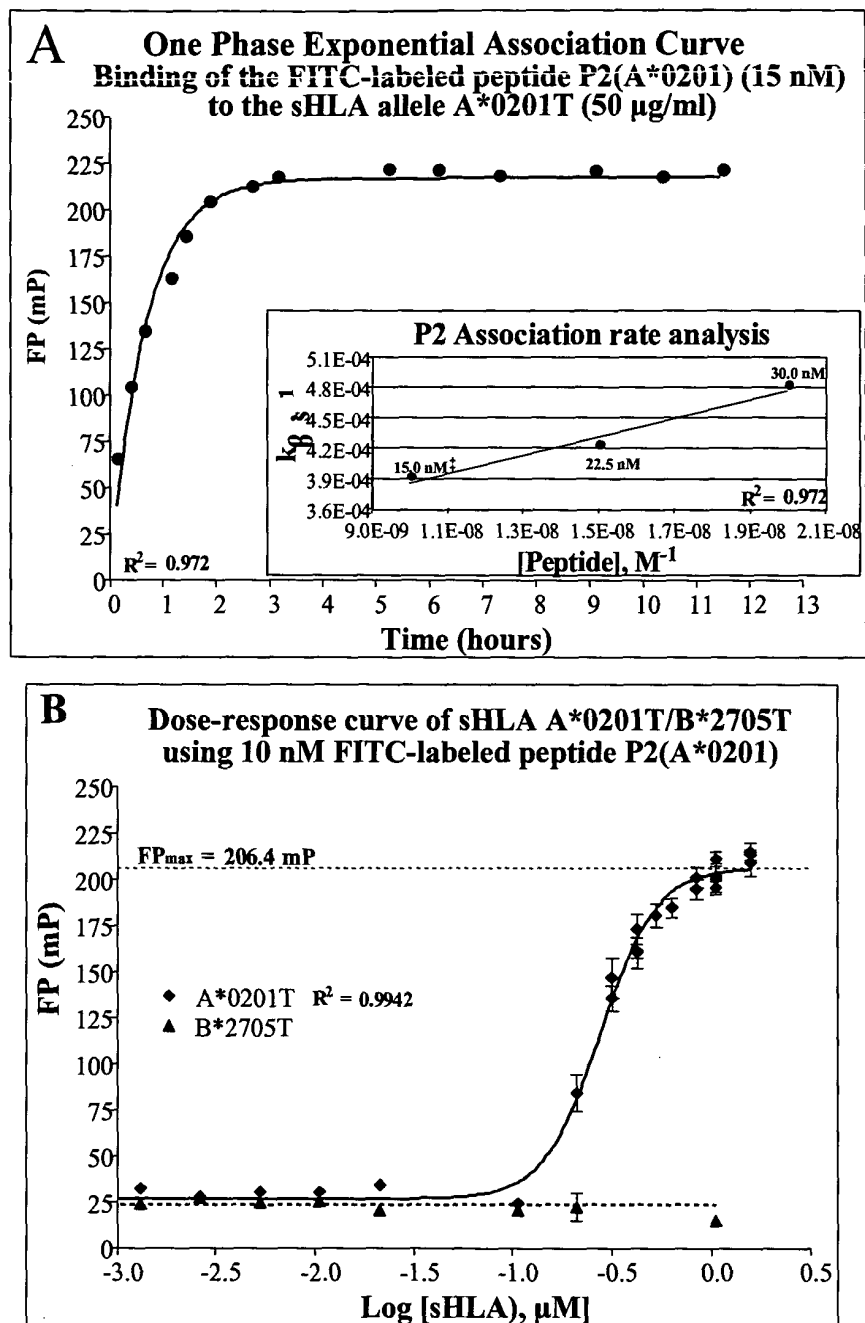


FIGURE 17

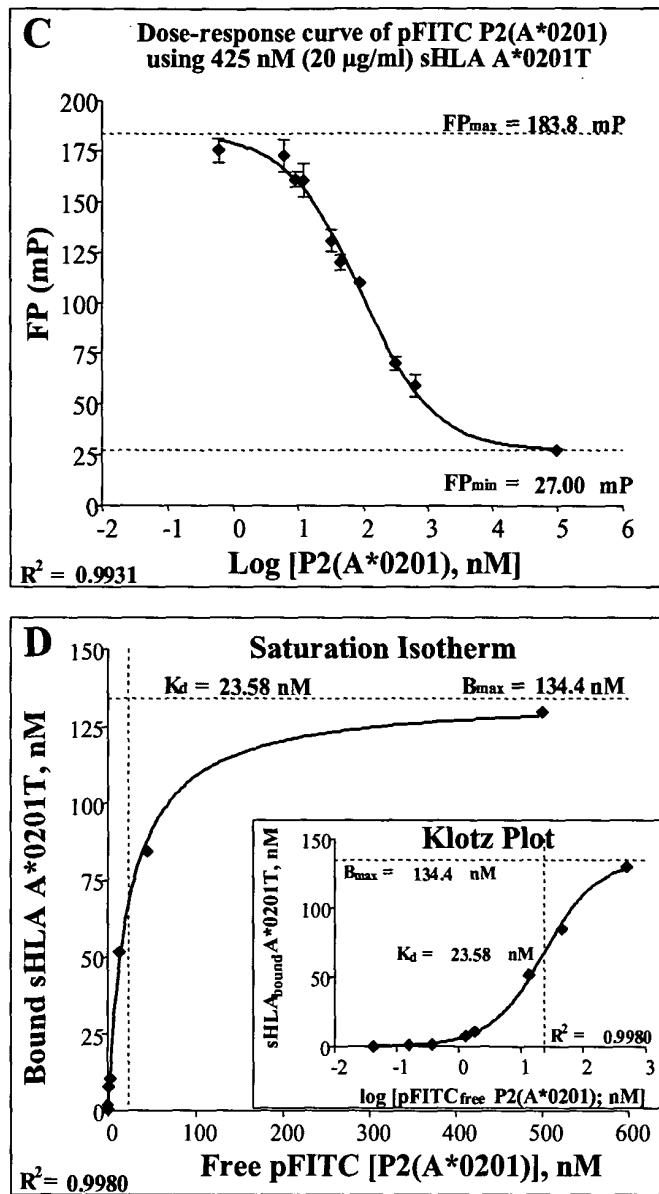


FIGURE 17 CONT'D

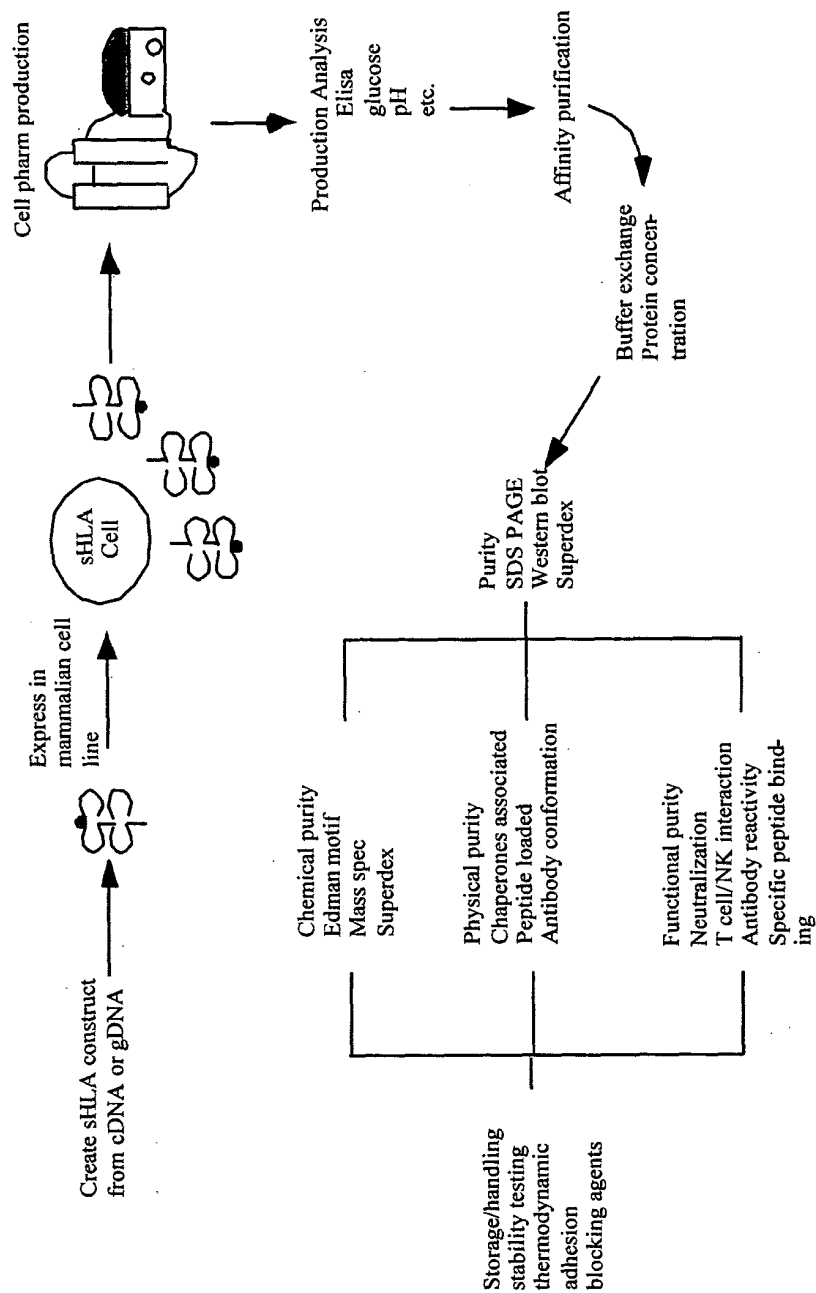
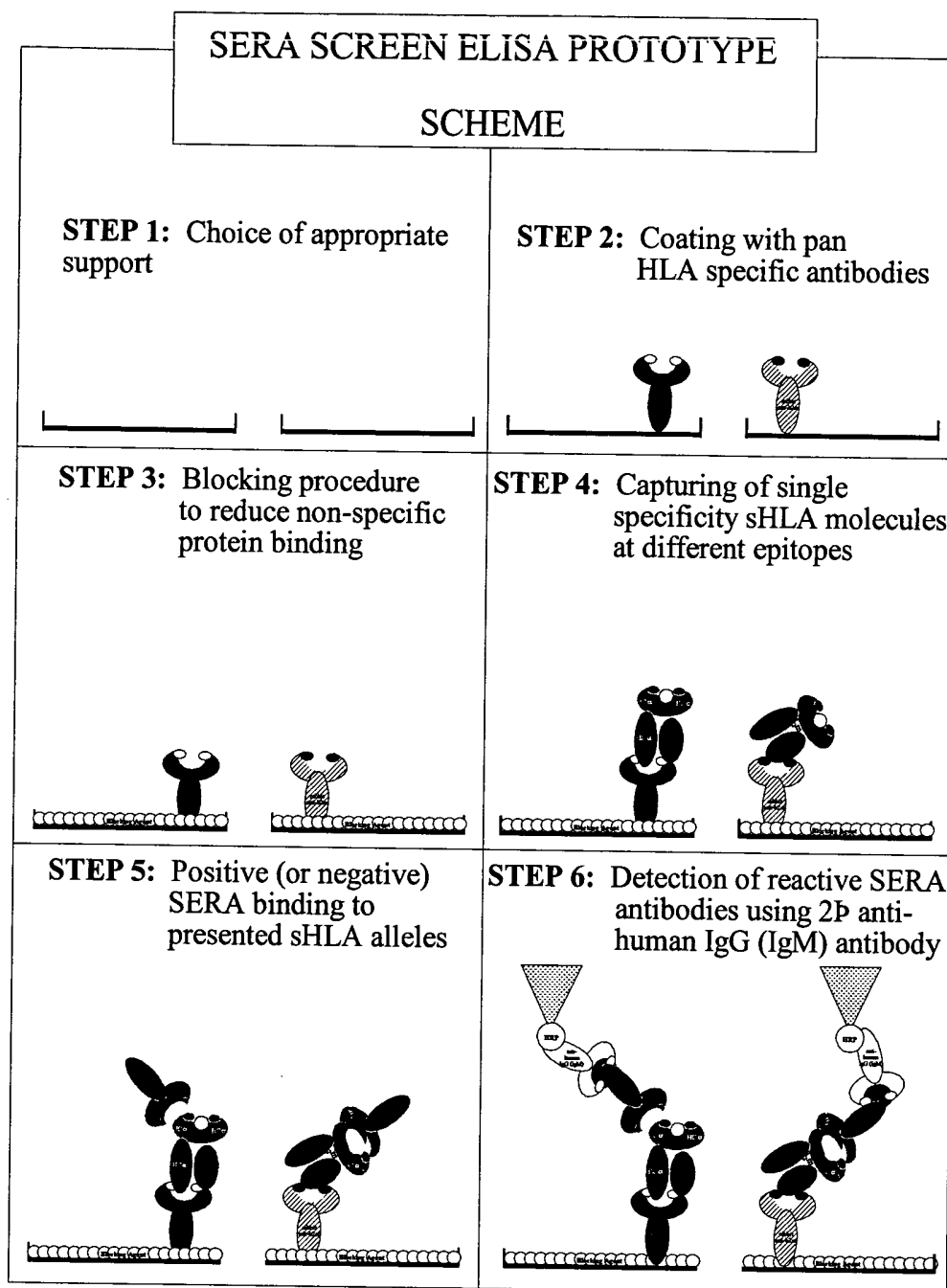


FIGURE 18

FIGURE 19



Activity confirmation of B*1512T using a gradient of sHLA concentrations directly coated to an ELISA plate

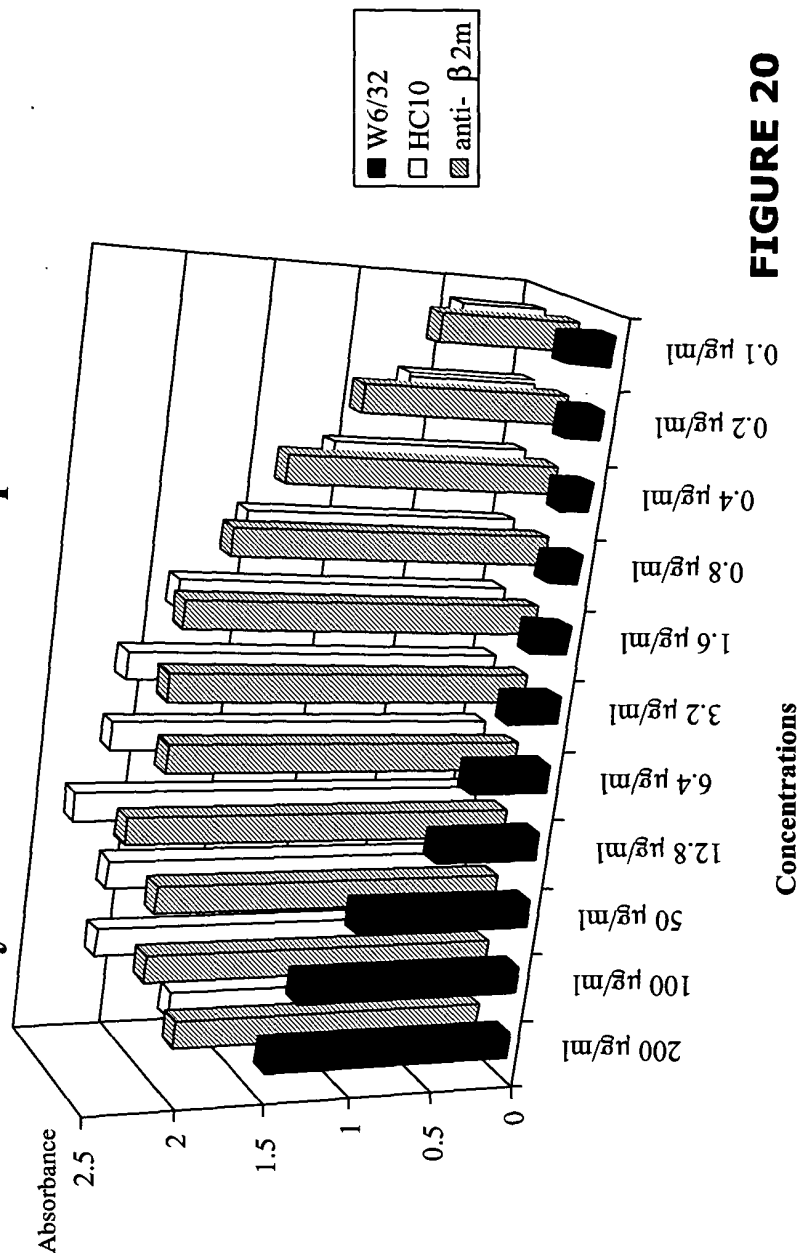


FIGURE 20

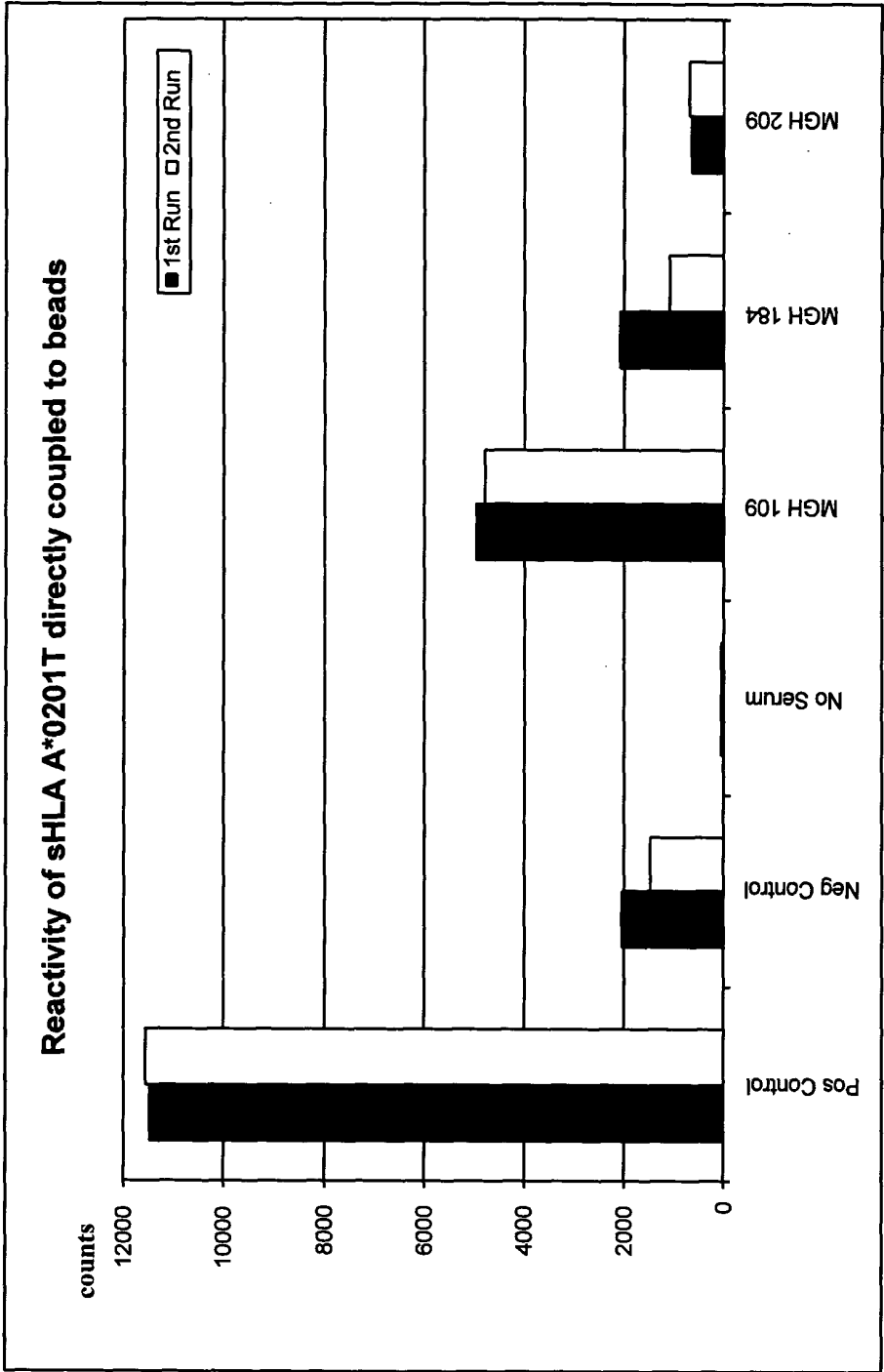


FIGURE 21

**One Lambda A2/A28 (1:500) IgG2a Antibody-Reactivity
(BIH0037) against a selection of Pure Protein's sHLA
molecules tested using two different capturing methods**

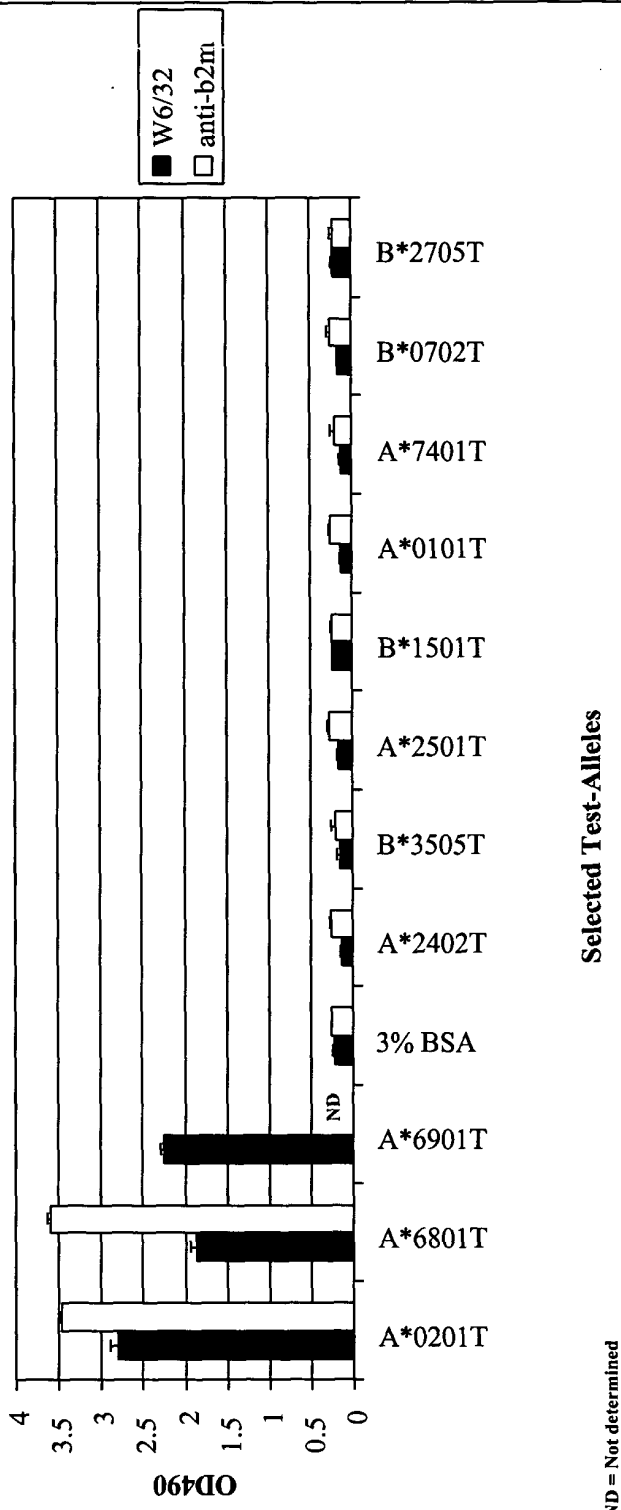


FIGURE 22

One Lambda B12 (1:500) IgG2b Antibody-Reactivity
(BIH0066) against a selection of Pure Protein's sHLA
molecules tested using two different capturing methods

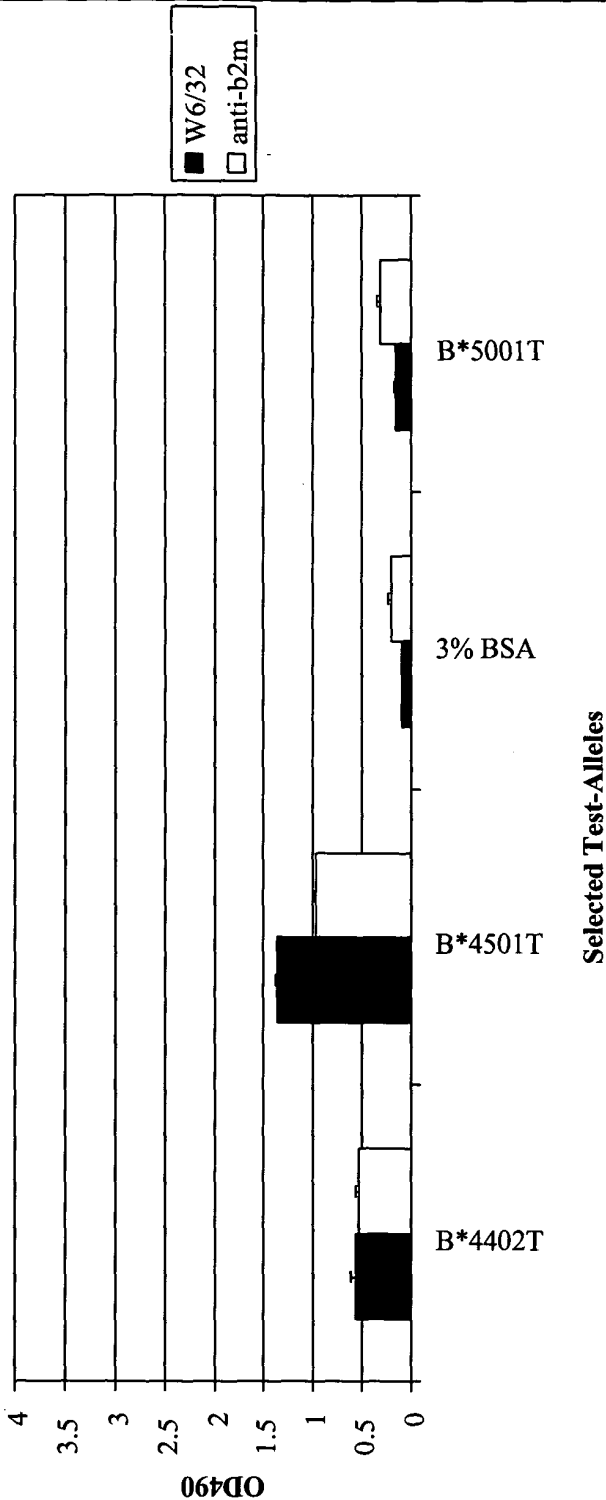


FIGURE 23

**SERA SCREEN ELISA (A, B & C alleles)
using W6/32 and anti-b2m capturing systems**

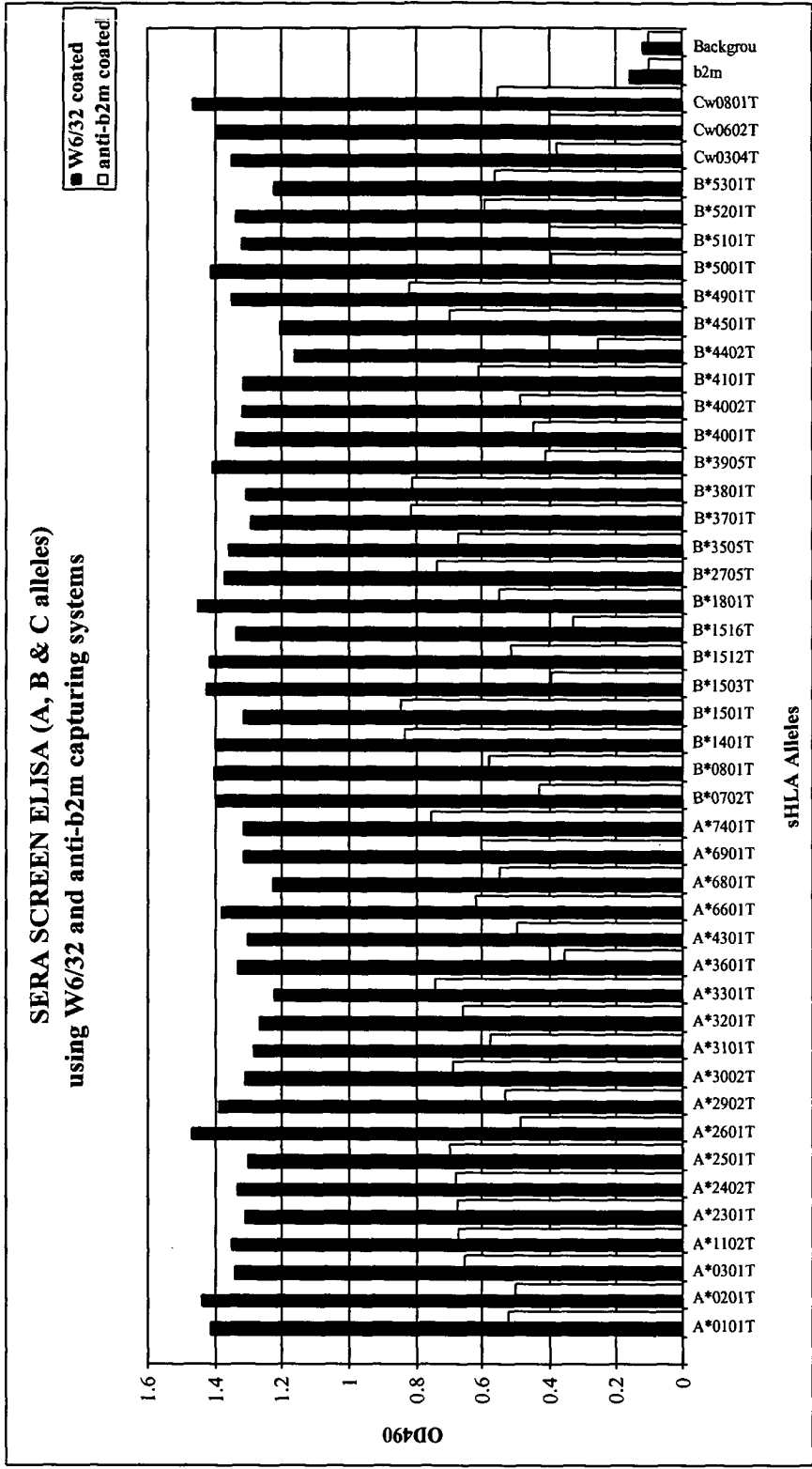


FIGURE 24

Bw4/Bw6 reactivity of sHLA molecules

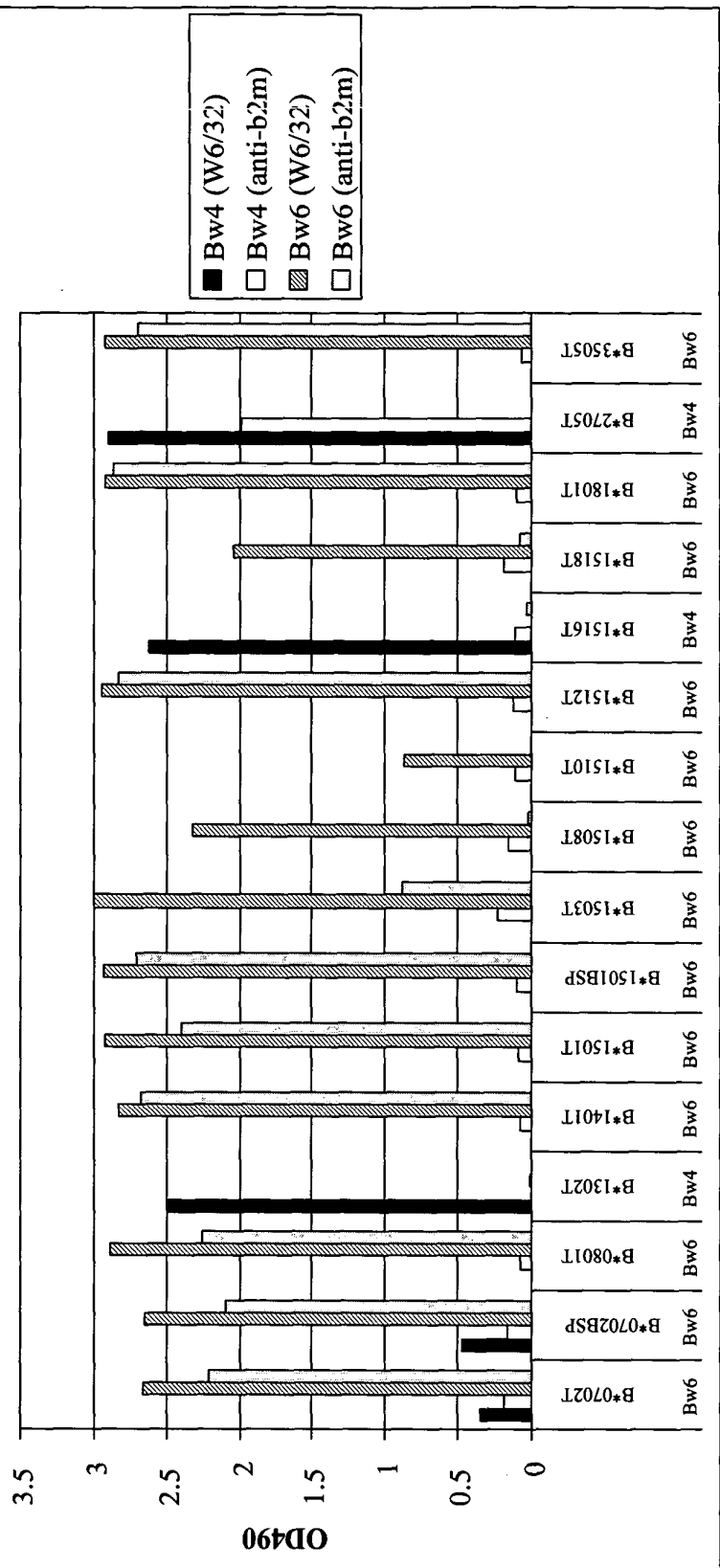


FIGURE 25

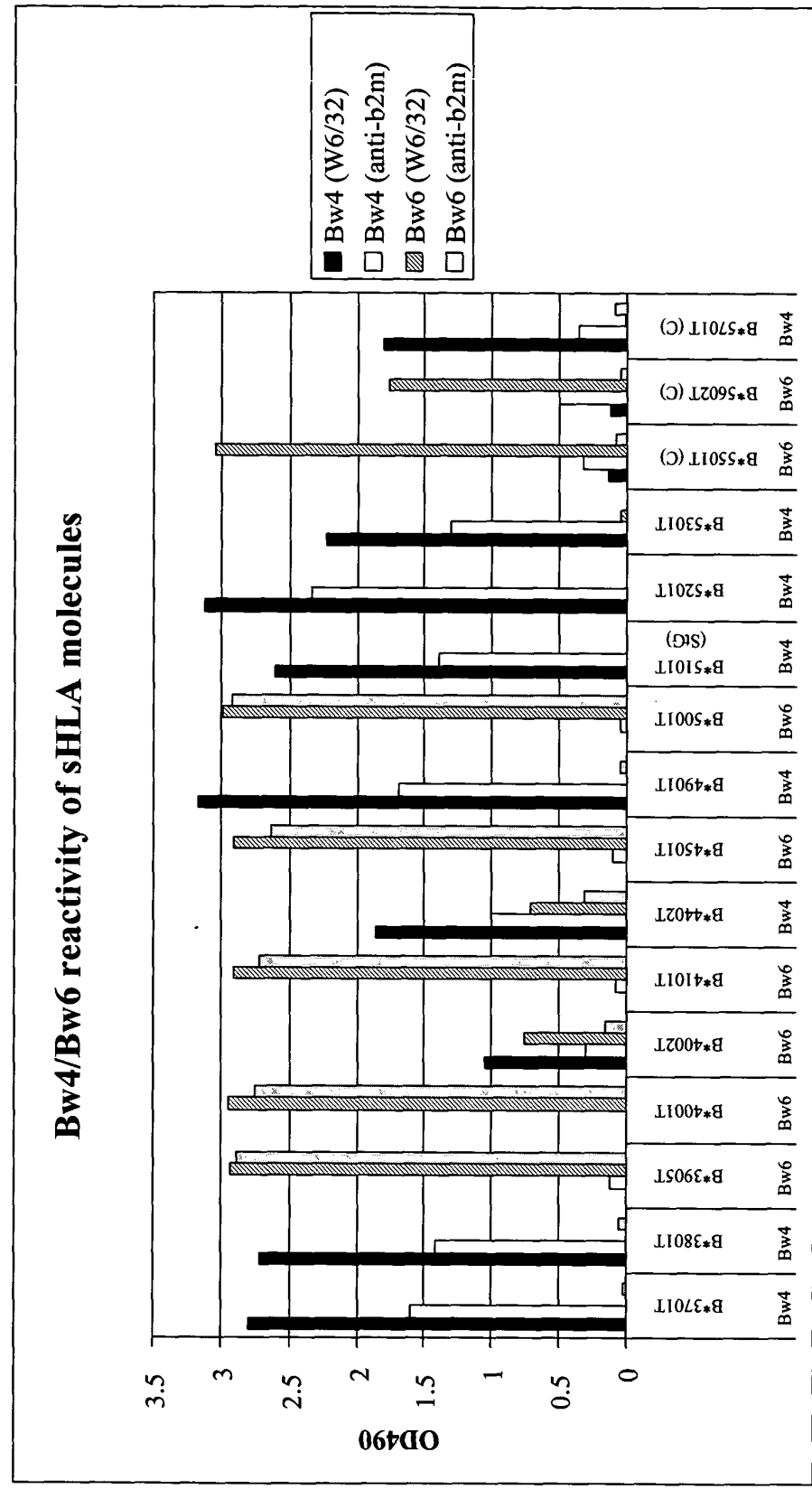


FIGURE 26

ELISA procedure to test capturing efficiency

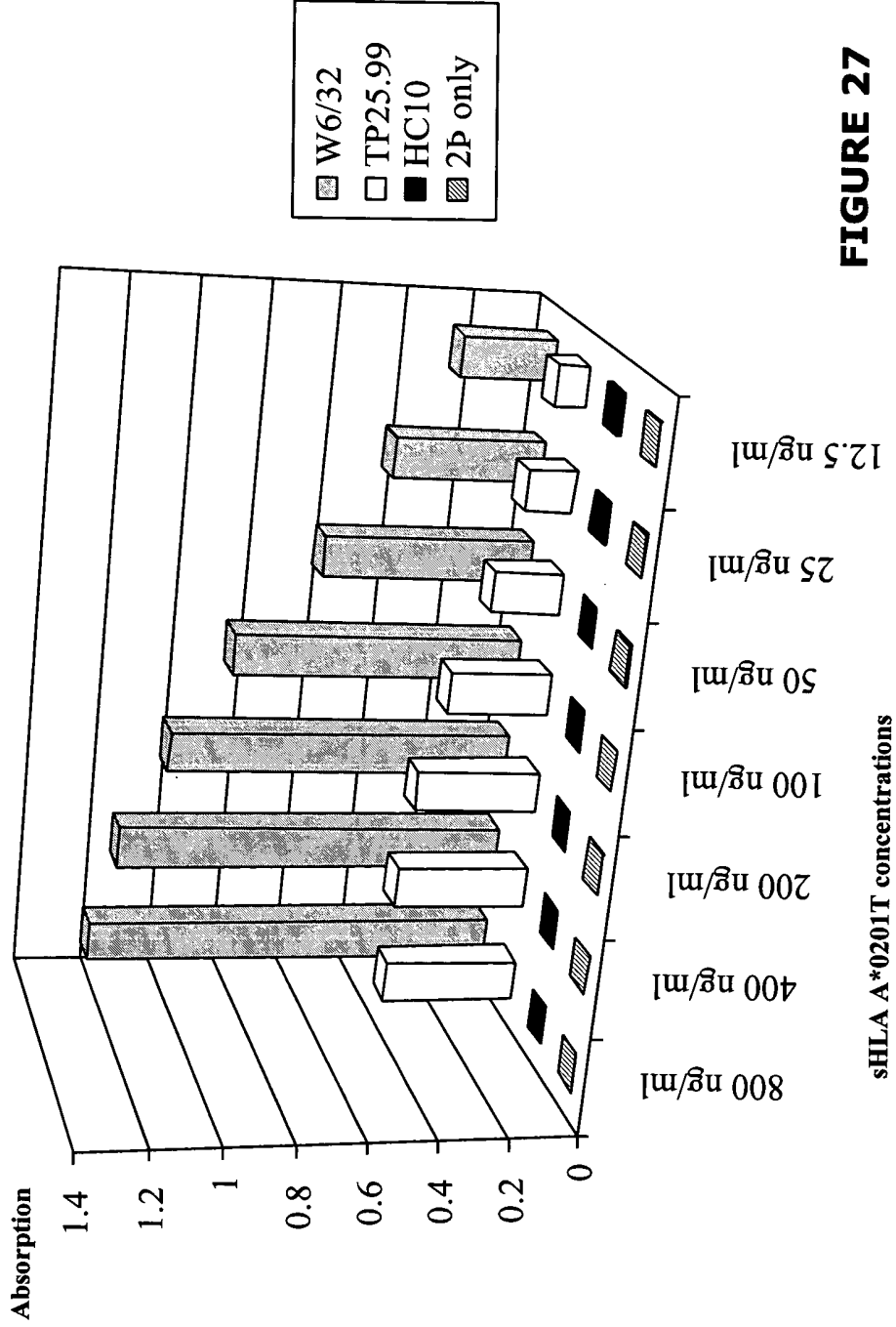


FIGURE 27

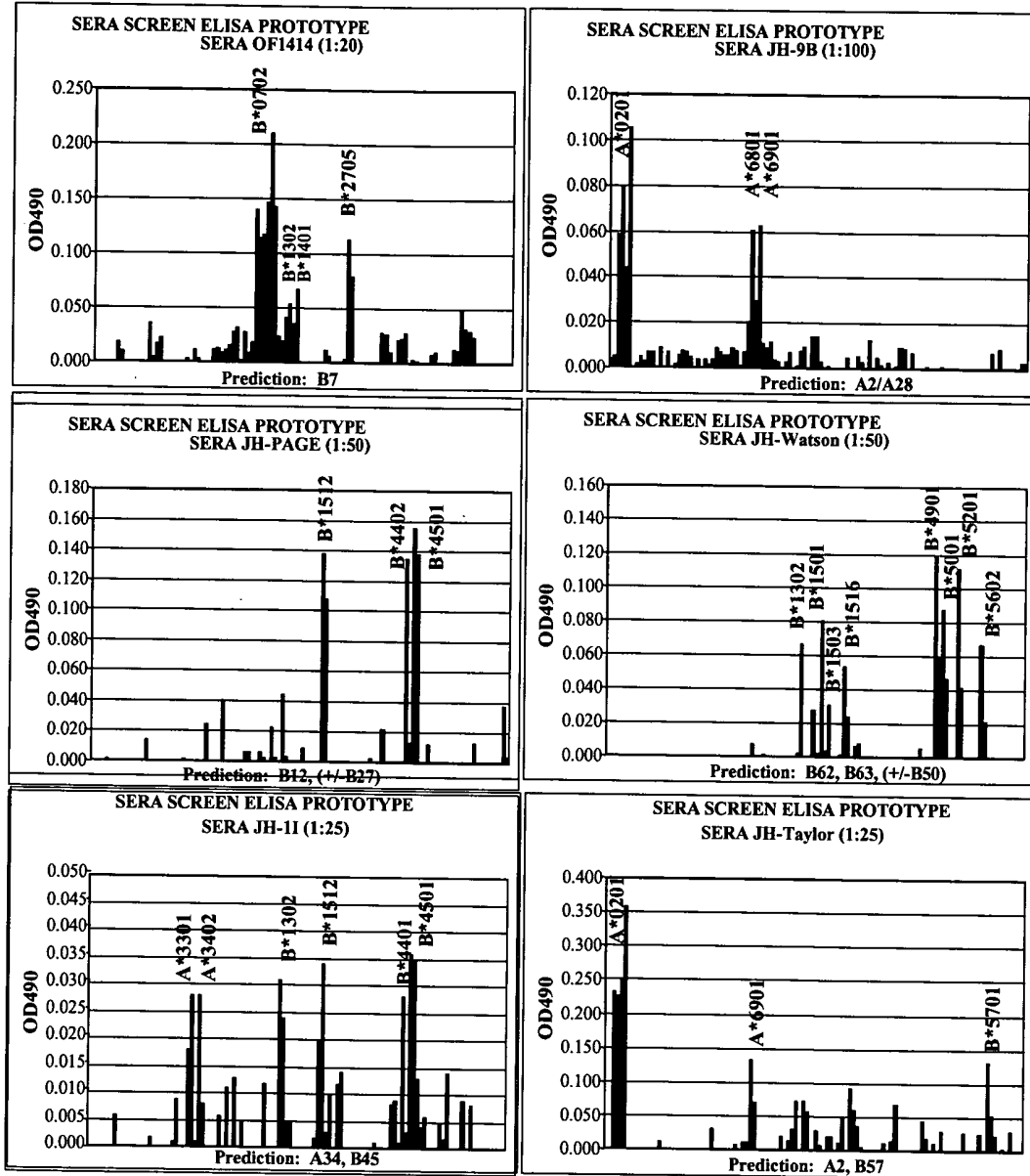


FIGURE 28

Positive and negative serum reaction against the A*0201T allele
after background subtraction
detected using the sandwich ELISA technique with W6/32 as capturing Ab
and anti-human IgG(HRP) [Sigma A0170 / Made in goat (1:10'000)] as 2P antibody

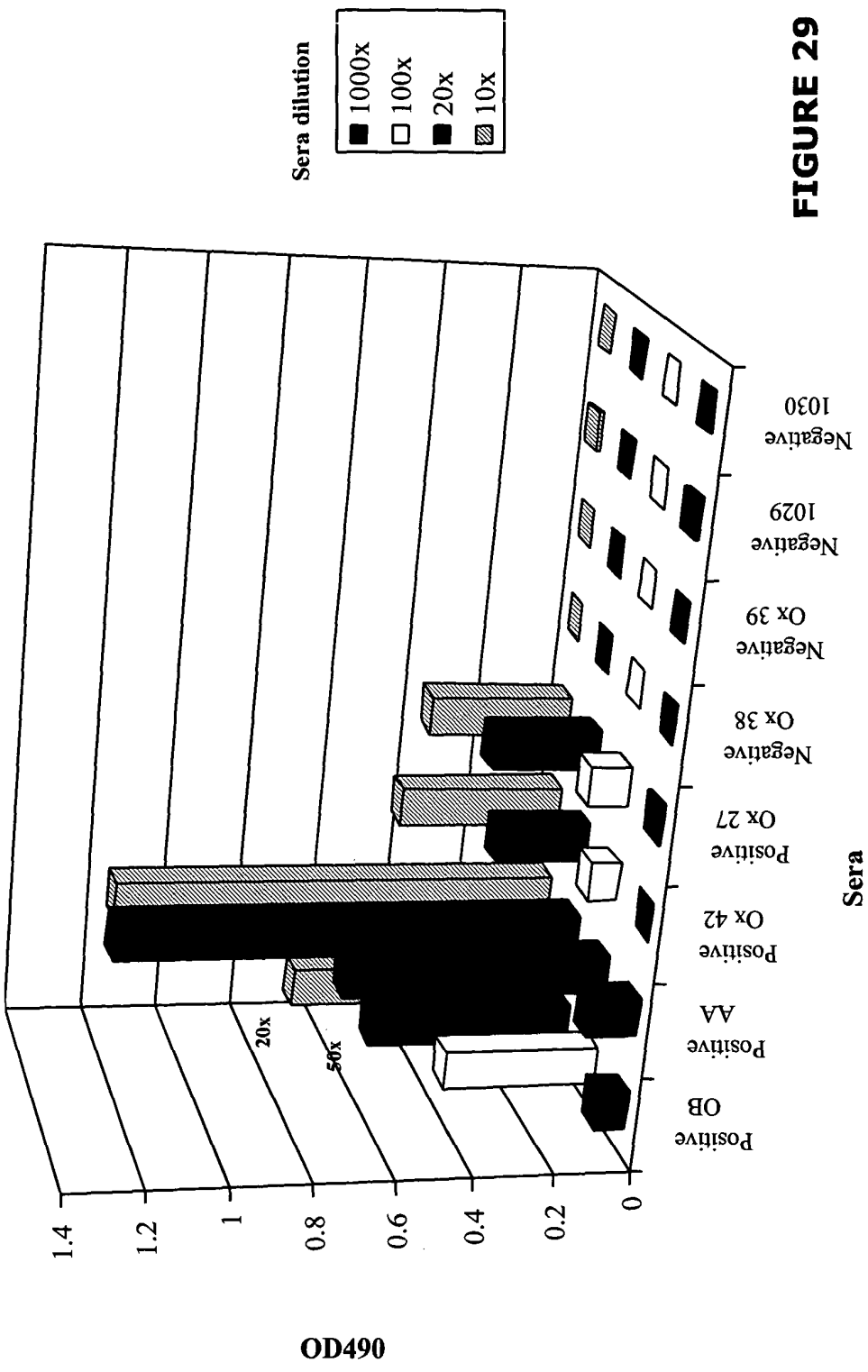


FIGURE 29